

INDEX TO VOLUME 24

A

Abramson, D. I., 565*
—, and Fierst, S. M., 135*
Abramson, E. B., Fishback, D. B., and Guttman, S. A., 423*
Acetyl-beta-methylecholine, tachycardia, atrio-ventricular nodal paroxysmal, in infant treated with, 278*
Addison's disease, treatment of, size of heart as a guide to, with desoxycorticosterone acetate, 99
Adrenal preparation, circulatory response of unanesthetized dog to small physiologic quantities of, 284* desoxycorticosterone acetate, size of heart as guide to treatment of Addison's disease with, 99
Age and auricular fibrillation as independent factors in auricular mural thrombus formation, 1 sex and race relationships of auricular fibrillation, 852*
Aguirre, R. S., and Castilla, C. R., 279*
Allen, C. R., Stutzman, J. W., Sloeum, H. C., and Orth, O. S., 432*
Allergy, vascular, II. Manifestations of polyvalent sensitization, 569*
Alpha lobeline method, duplicate measurements of circulation time made with, 863*
Altitude, high, effect of, and rebreathing on duration of electrical systole in man, 230
Altschule, M. D., Gilligan, D. R., and Zamcheck, N., 712*
—, and Klainer, M. J., 130*
—, Linenthal, H., and Zamcheck, N., 133*
American Heart Association, announcement, 400
Ane, J. N., and Burch, G. E., 283*
Aneurysm, arteriovenous, cerebral, 429* cirsoid, 133* dissecting, of aorta, 654 intracranial, their origin and clinical behavior in a series of verified cases, 567* of aorta, unusual site of, 417 of heart, diagnosis of, 567* of one of sinuses of Valsalva caused by congenital lesion, 550 of splenic artery and carcinoma of liver (hepatoma), report of two cases of chronic occlusion of portal vein, one associated with, 711* popliteal, 134*

Aneurysm, popliteal—Cont'd bilateral, treated by bilateral excision, 282*
Angina pectoris, abnormal suprarenal discharges in, and their control by x-ray therapy, 855* and peptic ulcer syndrome, 566* association of, or coronary thrombosis with mitral stenosis, 570*
Angiography (see arteriography)
Anomaly, congenital, cardiac, stenosis of pulmonary valve with closed cardiac septa, 685
congenital, coronary artery arising from pulmonary artery, 118
Antoni, Nils, 133*
Aorta, aneurysm of, unusual site of, 417 dissecting, of, 69, 654 coarctation of, 577* a case of right axis deviation of electrocardiogram and auricular fibrillation with some statistics, 852* with rupture of wall below the point of constriction, report of a case and review of literature, 828
hypoplasia of, without transposition, with electrocardiographic and histopathologic studies of the conduction system, 794
isthmus of, stenosis of, diagnostic tomography of, and of persistence of arterial canal, 426*
Aortitis, syphilitic, with aortic regurgitation, an electrocardiographic and autopsy survey at the Massachusetts General Hospital, 573*
Arteries, pad, minute, reactions of digital artery and, to local cold, 866* retinal, arterial occlusion in relation to effort with special reference to, 860*
Arteriosclerosis, 859* obliterans, reactive hyperemia ring test in study, evaluation and prognosis of pedal lesions caused by, and arterial embolism, 345 peripheral, in the diabetic and non-diabetic: a study of one hundred and six amputated legs, 711*
Arteritis, temporal, 410
Arrhythmias, unusual, due to multiple sites of conduction delay in A-V junction in cases with a

An asterisk () after a page number indicates the reference is an abstract and not an original article.

Arrhythmias—Cont'd
 subsidiary ventricular pacemaker located above bifurcation of common bundle, 31

Arrighi, F. P., and Zwemer, R. L., 286*

Arteriography, cerebral, 136*
 with diodrast, 136*

Artery, basilar, demonstration of, and its branches with thorotrast, 283*

brachial, embolectomy in, 137*

coronary, anomalous, arising from pulmonary artery, 118

disease of, diagnosis of, 710*

hyperactive cardioinhibitory carotid-sinus reflex as an aid in, its value compared with that of the electrocardiogram, 276*

interrelationship of disease of gall bladder and, 579

observations on dispensary patients, 566*

left, thirty years after ligation of anterior descending branch of, 562

ligation of, effect of digitalis on RS-T segment of electrocardiogram after, 671

occlusion, acute, of, factors influencing immediate mortality after, 4

phonocardiographic study of heart sounds in, 196

acute generalized postoperative peritonitis simulating, 565*

experimental, temporary, of, histochemical changes in myocardium of dogs following, 853*

five-year survival after perforation of interventricular septum caused by, histologic study of kidneys after 350 injections of mercurial diuretics, 807

follow-up studies in, I. Degree of recovery, symptoms and physical signs, 861*

studies on, III. The effect of digitalis on the RS-T segment of electrocardiogram after coronary ligation, 671

IV. Vasodilators and coronary circulation, experimental observations, 679

syphilitic stenosis of, with myocardial infarction, 740

thrombosis, acute, of, in industry, II. Indirect injuries from toxic gases and other physical agents, 187

association of angina pectoris or, with mitral stenosis, 570*

auricular complex in, 602

in a young diabetic, 861*

digital, reactions of, and minute pad arteries to local cold, 866*

embolism of, reactive hyperemia ring test in study, evaluation and prognosis of pedal lesions

Artery, embolism of—Cont'd
 caused by arteriosclerosis obliterans and, 345

large, and veins, afferent nerve endings in, 128*

occlusion of, in relation to effort with special reference to the retinal arteries, 860*

popliteal, aneurysm of, 134*

pulmonary, embolism of, thrombophlebitis and, 134*

ligation of, experiences in, 283*

occlusion of, artificially produced, electrocardiographic studies on, in human beings, 277*

retinal, arteriovenous nicking, relation to enlargement of heart in ambulatory patients with hypertension, 428*

spasm, traumatic, of, 133*

splenic, aneurysm of, and carcinoma of liver (hepatoma), report of two cases of chronic occlusion of portal vein, one associated with, 711*

superior mesenteric, syphilitic aneurysm of, 860*

Ash, R., 131*

Ashman, Richard, and Hull, Edgar, 287

Asthma, bronchial, paroxysm of, electrocardiogram in, 427*

Atheromatosis of mitral valve, 41

Auricle, infarction of, clinical, pathologic and experimental studies, 427*

right, pressure of blood in, in animals and in man, under normal conditions and in right heart failure, 281*

Auricular complex in thrombosis of coronary artery, 602

Averbuck, S. H., 565*

B

Baldwin, E. DeF., Richards, D. W., Jr., Cournand, A., Darling, D. C., and Gillespie, W. H., 281*

Ballistocardiogram, normal, comparison of results of, and a direct Fick method in measuring cardiac output in man, 712*

Bamman, F., Jensen, H., Corwin, W. C., Tolksdorf, S., and Casey, J. J., 138*

Barnes, A. R., and Burchell, H. B., 565*

Barnes, Arlie R., and Woods, R. M., 4

Barondes, R. deR., 138*

Batterman, Robert C., and Engstrom, William W., 458

—, Rose, O. Allan, and DeGraff, Arthur C., 435

Battro, A., and Labourt, F. E., 712*

Bayer, N. H., and White, P. D., 867*

Bayley, Robert H., 514

Baylin, G. J., 852*

Bender, M. B., and Wechsler, I. S., 574*

Benjamin, J. E., Landt, H., and Landen, M., 566*

Bereonsky, I., Cossio, P., and Dambrosi, R. G., 223

Berghoff, R. S., Geraci, A. S., and Hirsch, D. A., 424*

Berliner, K., and Lilienfield, A., 863*

Bernstein, P., and Mann, H., 851*

Bevans, Margaret, and Wilkins, Sam A., Jr., 843

Biliary tract, disease of, relationship between, and heart disease, 575*

Binford, C. H., 860*

Biskind, Gerson, Rosenblum, Harold, and Kruger, H. E., 734

Blair, H. A., Wedd, A. M., and Hardwicke, H. M., 850*

Blaney, L. F., Geiger, A. J., and Calabresi, M., 130*

Blood and blood substitutes in treatment of hemorrhage, secondary shock, and burns, 138*

flow, mean, of measurement of, in arteries and veins and by means of the rotameter, 424*

determination of, of fingers by plethysmographic method, 277

dynamics of, in thromboangiitis obliterans, 50

in the dog, influence of posture on, 850*

peripheral, in a case of adrenal pheochromocytoma before and after operation, 835

in myxedema, 856*

resting, in hyperthyroid state, 135*

renal, effective, glomerular filtration rate, and tubular excretory mass in arterial hypertension, 858*

resting, and peripheral vascular responses in different portions of the extremities, 565*

velocity of, effects of posture on, from arm to tongue, 816

objective method of determining (fluorescein), 423*

pressure, arterial, comparison of simultaneous indirect (auscultatory) and direct (intra-arterial) measurements of, in man, 573*

effect of chronic lead poisoning on, in dogs, 329

reduction of, in hypertensive rats by administration of renal extracts, 138*

regulation of, in seal during diving, 132*

average, effect of parity on, and on incidence of hypertension, 280*

capillary, effect of external pressure on vascular volume of forearm and its relation to, and venous pressure, 281*

effect of external pressure on vascular volume of forearm and its relation to, and venous pressure, 859*

Blood pressure—Cont'd

diastolic, note upon more accurate measurement of, 182

in right auricle in animals and in man, under normal conditions and in right heart failure, 281*

venous, effect of external pressure on vascular volume of forearm and its relation to capillary blood pressure and, 281,* 859*

substitutes for, in treatment of hemorrhage, secondary shock and burns, 138*

vessels, reactions of, in the finger to cold, vasomotor components in, 865*

small, smooth muscle motor-units in, 430*

volume of, during cardiac failure and after improvement, 430*

effect of epinephrine on, 432*

of the forearm and its relation to capillary blood pressure and venous pressure, the effect of external pressure on, 859*

study of quantitative methods of spontaneous variation in, of tips of fingers and toes and posterosuperior portion of pinna hypertensive patients and senile subjects, 864*

of quantitative methods of spontaneous variations in, of finger tip, toe tip, and posterosuperior portion of pinna of resting normal white adults, 864*

Bloom, Nathan, and Gilbert, Donald, 602

Blumgart, H. L., and White, Paul D., 574*

Boas, E. P., and Levy, H., 566*

Book reviews: 139, 287, 433, 577, 714, 715, 716, 868

Bibliography of Aviation Medicine, 577

Clinical Cardiology, With Special Reference to Bedside Diagnosis, 716

Coronary Insufficiency, 433

Electrocardiography, 714

Essentials of Electrocardiography, 287

Exercises in Electrocardiographic Interpretation, 715

Myocardium, Infarction, Recognition, Management, and Prevention, 868

The Rheumatic Diseases, 139

Borg, Joseph F., 397

Bosse, M. D., and Strang, J. M., 711*

Boyd, L. J., and Lange, K., 866*

Bradbury, Samuel, 562

Braden, S., Goldblatt, H., Kahn, J. R., and Hoyt, W. A., 568*

Breimer, C. W., Stewart, W. H., and Maier, H. C., 853*

Brick, Miriam, and Keith, John D., 289

Brock, R. C., 137,* 283*

Brody, H., 130*

Brown, J. Sewall, and Read, J. Marion, 182

Buerger's disease (*see* Thromboangiitis obliterans)

Burch, G. E., and Ane, J. N., 283*

—, Cohn, A. E., and Neumann, C., 864,* 865*

Burch, George E., and Winsor, Travis, 740

Burchell, H. B., and Barnes, A. R., 565*

Burns, treatment of hemorrhage, secondary shock and, blood and blood substitutes in, 138*

Butterworth, J. S., and Poindexter, C. A., 129,* 131,* 588

C

Cabanne, E. A., De Soldati, L., Introzzi, A. S., 277*

Caeiro, A., 276*

Calabresi, M., Geiger, A. J., and Blaney, L. F., 130*

Campbell, M., 709*

Capillary, pressure, hydrostatic, in, during edema formation in right heart failure, 135

Carcinoma of liver (hepatoma) and aneurysm of splenic artery, report of two cases of chronic occlusion of portal vein, one a case associated with, 711*

Cardiology, clinical, with special reference to bedside diagnosis, 716* (B. rev.)

Cardiovascular system, changes in, in toxic goiter, 428*

disease of, inheritance of, results of life insurance investigations, 430*

effects on, of desoxycorticosterone acetate in man, 365

of fluids administered intravenously in man. IV. The lung volume and pulmonary dynamics, 712*

of paredrine, 153

syphilis of, principles underlying treatment of, 856

Carotid-sinus reflex, cardioinhibitory, hyperactive, as an aid in diagnosis of coronary disease, its value compared with that of the electrocardiogram, 276*

Carr, Jesse L., and Mote, C. D., 69

Carrillo, E. G., 425*

Casey, J. J., Jensen, H., Corwin, W. C., Tolksdorf, S., and Bamman, F., 138*

Castilla, C. R., and Aguirre, R. S., 279*

Chamberlain, F. L., Shillito, F. H., and Levy, R. L., 131*

Chávez, Ignacio, 88

Childhood, cardiac signs in rheumatic infection of, 131*

Children, changes in size of heart in, with rheumatic fever, 289

young, syphilitic aortitis of congenital origin in, 856*

Cineroentgenogram, diagnosis by, of congenital and acquired heart disease, 853

Circulation, adequacy of, use of fluorescein to determine, 866*

cerebral, clinical syndrome produced by temporary disturbance of, 569*

coronary, collateral, quantitative method for determining, 571*

insufficiency of, 433 (B. rev.)

vasodilators and, experimental observations, 679

effect of drugs on, in normal hands and feet, 867*

factors, mechanical, in study of, with special reference to problem of acute circulatory failure, 282*

failure, acute, of, study of mechanical factors in circulation with special reference to problems of, 282*

cardiac and peripheral, of, resistance factors determinants of, in hemorrhagic shock, 863*

in acute glomerulonephritis, 283*

measurement of edema in, 865*

pulmonary and lung volume, effects on cardiovascular system of fluids administered intravenously in man, 712*

dynamics of, in Raynaud's disease, effect of exposure to cold, 133*

response of, of unanesthetized dog to small physiologic quantities of adrenalin, 284*

time of, duplicate measurements of, made with alpha lobeline method, 863*

use of papaverine as an objective measure of, 821

venous, collateral, in case of thrombosis of inferior vena cava and its embryologic interpretation, 282*

Clagett, A. H., Jr., 136*

Clark, S. L., and Kennedy, J. A., 278*

Cluver, E. H., and Jokl, E., 405

Cohen, S. M., 133*

Cohn, A. E., Burch, G. E., and Neumann, C., 864,* 865*

Cohn, I., and Pelner, L., 134*

Cold, exposure to, effect of, lung volume and pulmonary dynamics in Raynaud's disease, 133*

local, reactions of digital artery and minute pad arteries to, 866*

vascular components in the vascular reactions in the finger to, 865*

Conner, L. A., 566*

Connor, Charles A. R., and Kossmann, Charles E., 215

Console, A. D., 427*

Convulsions, electrically induced, followed by changes in electrocardiogram, 665

Cor pulmonale (*see* Heart, right, failure of)

Corrigendum, 286

Corwin, W. C., Jensen, H., Tolksdorf, S., Casey, J. J., and Bammann, F., 138

Cosby, R. S., Werle, J. M., and Wiggers, C. J., 857*

Cossio, P., Berconsky, I., and Dambrosi, R. G., 223

Cournand, A., Ranges, H. A., and Riley, R. L., 712*

—, Richards, D. W., Jr., Darling, R. C., Gillespie, W. H., and Baldwin, E. DeF., 281*

Crawford, J. H., 567*

Cushing, E. H., Feil, H. S., Stanton, E. J., and Wartman, W. B., 427*

Cyanosis, patients with, effect of oxygen on electrocardiograms of, 763

simulation, experimental, in dogs of, and hypertrophic osteoarthropathy which are associated with congenital heart disease, 141

D

Dack, S., Master, A. M., and Jaffe, H. L., 861*

—, and Sussman, M. L., 574*

Dack, Simon, Master, Arthur M., and Friedman, Rudolph, 777

Dambrosi, R. G., Cossio, P., and Berconsky, I., 223

Darling, R. C., Richards, D. W., Jr., Gillespie, W. H., and Baldwin, E. DeF., 281*

Davies-Colley, R., 133*

Davis, W. D., Jr., and Mayerson, H. S., 593

Death, sudden, of a Rugby International after a test game, 405

DeGraff, Arthur C., Batterman, Robert C., and Rose, O. Allan, 435

Delaney, Joseph H., and Keyes, John W., 607

Denham, H. E. H., and Hardy, A. G., 282*

De Soldati, L., Cabanne, E. A., and Introzzi, A. S., 277*

Desoxycorticosterone acetate, cardiovascular effects of, in man, 365

Diabetes, coronary thrombosis in, 861

peripheral arteriosclerosis in, and in nondiabetic: a study of one hundred and six amputated legs, 711*

Dias, Caio Benjamin, 433

Digitalis, effect of, on RS-T segment of electrocardiogram after coronary ligation, 671

—, persistence of effect after digitalization by combined use of, and ouabain, 458

E

Digitalis—Cont'd

poisoning by, two cases of, 432*

value, clinical, of, in hypertensive heart failure, I. With normal rate and regular rhythm, 286*

II. With sinus tachycardia, 431*

Digitalization, persistence of effect after, by combined use of digitalis and ouabain, 458

Digoxin, studies on, 435

Dill, L. V., Isenhour, C. E., and Kuder, K., 280*

DiPalma, Joseph R., and Foster, Frances I., 332

—, —, and Muss, Israel, 345

Diuretics, mercurial, histologic study of kidneys after 350 injections of, five-year survival after perforation of interventricular septum caused by coronary occlusion, 807

—, orally administered, treatment of edema with, 397

Diving, regulation of arterial blood pressure in seal during, 132*

Dooley, M. S., Robb, J. S., and Robb, R. C., 572*

Dressler, William, 417, 716

Drinker, C. K., and Warren, M. F., 136*

Dubbs, Alfred W., and Parmet, David H., 272

Dublin, L. I., and Marks, H. H., 430*

Ductus arteriosus, observations on physiologic reactions of, 278*

—, persistence of, diagnostic tomography of stenosis of isthmus of aorta and of, 426*

Duschatko, A. M., Wiggers, H. C., and Kory, R. C., 284*

E

Ebert, R. V., and Stead, E. A., Jr., 135*

Eckstein, R. W., Gregg, D. E., Shipley, R. E., Rotta, A., and Wearn, J. T., 424*

Ecstasy, senile, study of the ageing human heart, 424

Edema, formation of, studies of factors concerned in, II. Hydrostatic pressure in capillaries during edema formation in right heart failure, 135*

measurement of, in heart-lung preparation, 865*

treatment of, with an orally administered mercurial diuretic, 397

Edmondson, Hugh A., and Hoxie, Harold J., 719

Edson, John N., 763

Effort, right-upper-quadrant pain on, an early symptom of failure of right ventricle, 867*

Electrocardiogram after standard exercise as functional test of heart, 777

auricular complex in thrombosis of coronary artery in, 602

Electrocardiogram, auricular—Cont'd
 flutter associated with bizarre QRST complexes in, 588

Electrocardiogram, changes in, associated with acute porphyria, 696
 following electrically induced convulsions, 665
 concerning form of QRS deflection of, in bundle branch block, 574*

diagnostic value of, based on an analysis of 149 autopsy cases, 627
 displacement of RS-T segment by potassium chloride, 572*

effect of digitalis on RS-T segment of, after coronary ligation, 671
 high altitude and rebreathing on duration of electrical systole in man, 230
 oxygen on, of cyanotic patients, 763
 essentials of, 287 (B. rev.)
 fixed changes in, two families in whom an inclination to heart failure and, were constant, 708*

formation of, studies on distribution of potential concerned in, 706*

histopathologic studies of the conduction system and, in hypoplasia of aorta without transposition, 794

hypertension, experimentally produced and anatomically explained, I. Cor pulmonale, 425*
 II. Left ventricle strain, 426*
 in bronchial asthma paroxysm, 427*
 influence of posture on, 593
 in pituitary basophilism, bifid R wave in Derivation II, 425*
 interpretation of, exercises in, 715 (B. rev.)
 in traumatic pericarditis, 412
 inversion of T waves in, after long paroxysms of tachycardia, 709*
 of 2,000 R. C. A. F. aircrew, 277*
 precordial, influence of indifferent electrode upon, I. Normal electrocardiogram, 529
 prolongation of P-R interval in patients with paroxysmal auricular fibrillation and flutter following myocardial infarction, 130*
 rabbit, normal, spontaneous changes in, 209
 right axis deviation of, and auricular fibrillation with some statistics in coarctation of aorta, 852*
 short P-R interval associated with a prolonged QRS complex, 129*
 significance of negative T waves in all three standard leads of, 565*
 standard lead, simplification of, AVL, AVR and AVF leads, 378

Electrocardiogram—Cont'd
 studies by, in artificially produced pulmonary artery occlusion in human beings, 277*
 types of, their relation to paroxysmal tachycardia, 278*
 use and abuse of, in medical practice, 576*
 uterine, 571*
 value of hyperactive cardioinhibitory carotid-sinus reflex as an aid in diagnosis of coronary disease as compared with, 276*

Electrocardiography, 714 (B. rev.)
 fetal, a clinical evaluation of, a study of 100 cases by a new technique and an improved instrument, 851*
 justification or increasing use of, in hospital practice, 130*

Electrode, indifferent, influence of, upon precordial electrocardiogram, I. Normal electrocardiogram, 529

Elek, Stephen R., and Solarz, Sylvan D., 821

Eliaser, Maurice, Jr., and Kondo, Benjamin O., 696

Embolism, fat, heart in, 566*

Endocarditis, bacterial, subacute, syphilitic aortic valvulitis and, 280*
 brucella, a case of, with clinical bacteriologic and pathologic findings, 855*

subacute, bacterial, due to streptococcus viridans: a survey of present status of previously reported cures and a clinical study of fifteen treated cases, including another cure, 855*
 tuberculous, 843

Engelberg, H., Nathanson, M. H., and Hersh, J., 153

Engstrom, William W., and Batterman, Robert C., 458

Epinephrine, effect of, on volume of blood, 432*

Erlanger, H., Perera, G. A., and Levine, S. A., 708*

Ershler, I., and Fahr, G., 135*
 —, White, M. S., and Kossmann, C. E., 230

Evans, W. F., and Stewart, H. J., 856*
 Evans, Willis F., and Stewart, Harold J., 835

Exercise, standard, electrocardiogram after, as a functional test of heart, 777

F

Fahr, G., and Ershler, I., 135*
 Faxon, H. H., and Welch, C. E., 134*

Feil, H. S., Cushing, E. H., Stanton, E. J., and Wartman, W. B., 427*

Feldt, Robert H., and Garrison, Robert E., 685

Fetterman, Joseph L., and Kline, Edward M., 665

Fibrillation, auricular, age and, as independent factors in auricular mural thrombus formation, 1 sex and race relationships of, 852* case of right axis deviation of electrocardiogram and, with some statistics in coarctation of aorta, 852* of long duration in rheumatic heart disease, 215 paroxysmal, and flutter following myocardial infarction, prolongation of P-R interval in patients with, 130* termination of, cessation of repeated pulmonary infarction and of congestive failure after, by quinidine therapy, 574* idioventricular rhythms and, induced at anode or the cathode by direct currents of long duration, 577* terminal, congenital heart block with Stokes-Adams syndrome with crises of paroxysmal ventricular tachycardia, 279* ventricular, transient, a study of the fibrillary process and its development in man, 572*

Fick method, direct, comparison of results of normal ballistocardiogram and, in measuring cardiac output in man, 712*

Fierst, S. M., and Abramson, D. I., 135

Fishback, D. B., Guttman, S. A., and Abramson, E. B., 423*

Fisher, A. M., and Longcope, W. T., 571*

Flaxman, N., 281*, 286*, 431*

Flaxman, Nathan, 654

Flosdorf, E. W., and Mudd, S., 138

Fluid, interstitial, volume of, during cardiac failure and after improvement, 430*

Fluorescein, method of determining blood velocity, 423* use of, to determine the adequacy of circulation, 866*

Flutter, auricular, associated with bizarre QRST complexes, 588 paroxysmal fibrillation and, following myocardial infarction, prolongation of P-R interval in patients with, 130*

Foà, N. L., Foà, P. P., Peet, M. M., and Woods, W. W., 858*

Foà, P. P., Woods, W. W., Peet, M. M., and Foà, N. L., 858*

Forearm, volume, vascular of, effect of external pressure on, and its relation to capillary blood pressure and venous pressure, 281*

Formol-Gel test in rheumatic fever, 131*

Foster, Frances L., and DiPalma, Joseph R., 332

—, —, and Muss, Israel, 345

Fouts, Paul J., and Page, Irvine H., 329

Freeland, M. R., and Theis, F. V., 430*

Friedman, B., Jarman, J., and Marrus, J., 567*

Friedman, Rudolph, and Master, Arthur M., 196

—, —, and Dack, Simon, 777

Fulton, G. P., and Lutz, B. R., 430*

Fulton, John Farquhar, and Hoff, Ebbe Curtis, 577

G

Gall bladder, the interrelationship of disease of coronary arteries and, 579

Garrison, Robert E., and Feldt, Robert H., 685

Garvin, C. F., 279*, 852*

Geiger, A. S., Calabresi, M., and Blaney, L. C., 130*

Geraci, A. S., Berghoff, R. S., and Hirsch, D. A., 424*

Gilbert, Donald, and Bloom, Nathan, 602

Gillespie, W. H., Richards, D. W., Jr., Cournand, A., Darling, R. C., and Baldwin, E. DeF., 281*

Gilligan, D. R., Lowry, O. H., and Hastings, A. B., 853*

Gilligan, D. R., Zamcheck, N., and Altshule, M. D., 712

Globus, J. H., and Schwab, J. M., 567*

Glomerulonephritis, acute, circulatory failure in, 283*

Glomerulus, filtration rate of, effective renal blood flow and tubular excretory mass in arterial hypertension, 858*

Glycosides, cardiae, electrolyte and water content of ventricular musculature of heart-lung preparation with special reference to the effect of, 853*

Goiter, toxic, cardiovascular drugs in, 428*

Goldberg, S., and Langendorf, R., 412

Goldberger, Emanuel, 378

Goldblatt, H., Braden, S., Kahn, J. R., and Hoyt, W. A., 568*

Goldbloom, A., and Segall, H. N., 278*

Goldman, A. M., Langendorf, R., Kaplan, L. G., Killian, S. T., and Katz, L. N., 627

Gootnick, A., Saland, G., Klein, C., and Zurrow, H., 285*

Greene, A. M., and Hurxthal, L. M., 857*

Greenwood, W. R., Reitman, N., Kler, J. H., 861*

Gregg, D. E., Shipley, R. E., Eckstein, R. W., Rotta, A., and Wearn, J. T., 424*

Grinnell, S. W., Irving, L., and Scholander, P. F., 132*

Gross, S. W., 136*

Gubner, Richard, and Ungerleider, Harry E., 494

Guttman, S. A., Fishback, D. B., and Abramson, E. B., 423*

H

Hahn, P., 276*

Hailey, H. R., 134*

Hall, G. E., Stewart, C. B., and Manning, G. W., 277*

Hardin, T. E., Bonnell, R. W., and Pritchett, C. P., 289*

Hardwicke, H. M., Blair, H. A., and Wedd, A. M., 850*

Hardy, A. G., and Denham, H. E. H., 282*

Harkavy, J., 569*

Harkins, H. N., and Schug, R., 711*

Harris, A. S., and Moe, G. K., 577*

Harrison, T. R., 569*

Hart, J. F., Magiday, M., and Lisa, J. R., 711*

Hastings, A. B., Lowry, O. H., and Giligan, D. R., 853*

Hawley, J. L., Shelburne, S., and McGee, A. S., 428*

Hay, William E., and Levine, S. A., 1

Hayman, J. M., Seymour, W. B., Pritchard, W. H., and Longley, L. P., 430*

Heart, activity of, modification of, of frog produced by chloride of potassium, 286*

ageing, human, study of, 424*

aneurysm of, diagnosis of, 567*

anomaly, congenital atresia of mitral orifice and separation of left auricle and ventricle, 570*

area of, simple method for measuring from orthodiagram, 511

block, bundle branch, concerning form of QRS deflection of electrocardiogram in, 574*

complete, alternating with normal rhythm and normal A-V conduction, 113

congenital, report of a case, 709* with Stokes-Adams syndrome with crises of paroxysmal ventricular tachycardia and terminal fibrillation, 279*

right bundle branch, prognosis of, a study of 104 cases, 708*

unusual arrhythmias due to multiple sites of conduction delay in A-V junction in cases with a subsidiary ventricular pacemaker located above bifurcation of common bundle, 31

compression, chronic, calcification of pericardium and, 576*

conduction system of, hypoplasia of aorta without transposition with electrocardiographic and histopathologic studies of, 794

disease, congenital and acquired, of, cineroradiographic diagnosis of, 853*

of, simulation, experimental, in dog of cyanosis and hypertrophic osteoarthropathy which are associated with, 141

hypertensive, of, of 10 to 20 years' duration, 281*

of, incidence of, in Mexico, 88

of, infarction in, 279*

of, relationship between biliary tract and, 575*

Heart disease—Cont'd

rheumatic, of, fibrillation, auricular, of long duration in, 215

thyroid, of, a postoperative follow-up study of four hundred and sixty-nine patients with, 857* enlargement of, relation of retinal arteriovenous nicking to, in ambulatory patients with hypertension, 428*

failure of, cardiac output, blood and interstitial fluid volume, total circulatory serum protein and kidney function during, and after improvement, 430*

congestive, of, cessation of repeated pulmonary infarction and of, after termination of auricular fibrillation by quinidine therapy, 574*

hypertensive, of, clinical value of digitalis in, I. With normal rate and regular rhythm, 286* II. With sinus tachycardia, 431* pulmonocardiace, of, as a result of spinal deformity, 713*

shock syndrome produced by, 135*

two families in whom an inclination to, and fixed changes in electrocardiogram were constant, 708*

fetal, murmur of, recording and reproduction of, confirmed after birth, 129*

sound of, stethogram and recorded disc of a twin pregnancy, 129*

function of, does it work as a pressure pump or as a hydraulic ram, 276*

functional test of, electrocardiogram after standard exercise as, 777

His-Tawara node, researches on comparative anatomy and experimental pathology of superior connections of, 423*

human, simultaneous soap-wax dehydration and infiltration of, a method for permanent preservation, 850*

hypertrophy, congenital, idiopathic, 426*

in fat embolism, 566*

innervation of, studies on, II. Afferent nerve endings in large arteries and veins, 128*

involvement of, in sarcoidosis or Besnier-Boeck-Schaumann's disease, 571*

lesions of, relation to clinical course of rheumatic fever, 427*

mammalian, action of ions on, 285*

measurement, exact, value of, in cardiac roentgenology, 136*

murmur of, and sounds, confusion in differentiation of, 129*

Heart—Cont'd
 output of, during cardiac failure and after improvement, 430*
 output of, in man, comparison of results of normal ballistogram and a direct Fick method in measuring, 712*
 patent interauricular septum of, associated with mitral stenosis, 852*
 perforation of interventricular septum of, five-year survival after, caused by coronary occlusion: histologic study of kidneys after 350 injections of mercurial diuretics, 807
 physical signs of, in rheumatic infection in childhood, 131*
 physiology, ventricular pacemaker, subsidiary, located above bifurcation of common bundle, unusual arrhythmias due to multiple sites of conduction delay in A-V junction in cases with, 31
 rhythm, idioventricular, and fibrillation induced at the anode or cathode by direct currents of long duration, 577*
 right side of, drainage of pulmonary veins into, 130*
 failure of, hydrostatic pressure in capillaries during edema formation in, 135*
 hypertension electrocardiograms experimentally produced and anatomically explained, 425*
 pressure of blood in right auricle in animals and in man, under normal conditions and in, 281*
 rupture of and hypertension, a clinical and pathologic study of seventy-two cases, in thirteen of which rupture of the septum occurred, 719
 of interventricular septum of, occurring in thirteen cases of a clinical and pathologic study of seventy-two cases of hypertension, 719
 septum, atrial, of, defect of, congenital stenosis with left ventricular enlargement associated with, 279*
 interatrial, of, Lutembacher's syndrome and a new concept of dynamics of, 315
 size of, as a guide to treatment of Addison's disease with desoxycorticosterone acetate, 99
 changes in, in children with rheumatic fever, 289
 evaluation of, measurements of, 494
 sounds and murmurs, confusion in differentiation of, 129*
 phonocardiographic study of, in acute coronary occlusion, 196
 valve of (*see* valve)
 Hecht, Hans, H., 529

Hellwig, C. Alexander, 41
 Hemorrhage, treatment of, secondary shock, burns, and, blood and blood substitutes in, 138*
 Heparin, use of, for complications which follow sclerosing of varicose veins by massive injection, 774
 Hepatoma (*see* Carcinoma of liver)
 Hersh, J., Engelberg, H., and Nathanson, M. H., 153
 Hertzman, A. B., and Roth, L. W., 865, 866*
 Heterotaxia, complete, associated with obstructive jaundice, 853*
 Hirsch, D. A., Berghoff, R. S., and Geraci, A. S., 424*
 Hirschboeck, F. J., 550
 Hitzig, W. M., 569*
 Hochrein, Max, 868
 Hoff, Ebbe Curtis, and Fulton, John Farquhar, 577
 Hoxie, Harold J., and Edmondson, Hugh A., 719
 Hoyt, W. A., Goldblatt, H., Braden, S., and Kahn, J. R., 568*
 Hull, Edgar, and Ashman, Richard, 287
 Hurxthal, L. M., and Greene, A. M., 857*
 Hutcheson, J., Morrison, and Reed, W. C., 113
 Hydroquinidine, I. Toxicity, 545
 Hyperemia, reactive, segmental and aging variations of, in human skin, 332
 ring test in study, evaluation and prognosis of pedal lesions caused by arteriosclerosis obliterans and arterial embolism, 345
 Hyperglycemia, periarteritis nodosa with peripheral polyneuritis and, a case record presenting clinical problems, 860*
 Hypertension and cardiac rupture, a clinical and pathologic study of seventy-two cases, in thirteen of which rupture of the interventricular septum occurred, 719
 arterial, contribution to the study of, in connection with hypothalamo-hypophysial system, 710*
 effective renal blood flow, glomerular filtration rate and tubular excretory mass in, 858*
 in rats, II. Effects on kidney, 576*
 in rats, 706
 effect of parity on average blood pressure and on, 280*
 electrocardiograms experimentally produced and anatomically explained:
 I. Cor pulmonale, 425*
 II. Left ventricle strain, 426*
 experimental studies on, XVI. Effect of hypophysectomy on experimental renal hypertension, 568*

Hypertension—Cont'd
 experimental, therapeutic agents and renal implantations in, 567*
 patients with, a study of quantitative methods of spontaneous variations in volume of tips of fingers and toes and postero-superior portion of pinna of, and senile subjects, 864*
 persistent, frequency of bilateral renal disease in, 858*
 relation of retinal arteriovenous nicking to enlargement of heart in ambulatory patients with, 428
 treatment, surgical of, II. Comparison of mortality following operation with that of Wagener-Keith medically treated control series, 137*
 urologic, as an entity, 483
 venous, mechanisms of inspiratory filling of cervical veins and pulsus paradoxus in, 569*

Hyperthyroidism, state of, resting peripheral blood flow in, 135*

Hypophysectomy, effect of, on experimental renal hypertension, 568*

Hypotension, hemorrhagic, observations on, and hemorrhagic shock, 857*
 postural, association of, with sympathetic nervous system dysfunction, 132*

Hypothalamo-hypophysial system (see pituitary gland)

I

Industry, coronary thrombosis in, acute, II. Indirect injuries from toxic gases and other physical agents, 187

Infants, tachycardia in, atrio-ventricular nodal paroxysmal, treated with acetyl Beta-methyleholine, 278*

Insurance, life, results of investigation on inheritance of cardiovascular disease, 430*

Introzzi, A. S., De Soldati, L., and Cabanne, E. A., 277*

Irvine, A. D., 577*

Irving, L., Scholander, P. F., and Grinnell, S. W., 132*

Isenhour, C. E., Kuder, K., and Dill, L. V., 280*

J

Jaffe, H. L., Dack, S., and Master, A. M., 861*

Jarman, J., Marrus, J., and Friedman, B., 567*

Jaundice, obstructive, complete heterotaxia associated with, 853*

Jensen, H., Corwin, W. C., Tolksdorf, S., Casey, J. J., and Bamman, F., 138*

K

Johannsen, Max W., and Spain, David M., 689

Jokl, E., and Cluver, E. H., 405

Jung, Frederic T., Wosika, Paul H., and Maher, Chauncey C., 483

K

Kabler, P., Titrud, L. A., and Spink, W. W., 855*

Kahn, J. R., Goldblatt, H., Braden, S., and Hoyt, W. A., 568*

—, and Laipply, T. C., 858*

Kaltreider, N. L., Meneely, G. R., and Allen, J. R., 432*

Kaplan, L. G., Killian, S. T., Katz, L. N., Goldman, A. M., and Langendorf, R., 627

Katz, Kermit H., and Stempien, Stephen J., 555

Katz, L. N., Goldman, A. M., Langendorf, R., Kaplan, L. G., and Killian, S. T., 627

Katz, Louis N., 714, 715

—, and Langendorf, R., 31

Kauvar, A. J., and Levine, S. A., 570*

Kayland, S., Margoles, C., Tragerman, L. J., and Prinzmetal, M., 571*

Keen, J. A., 282*

Keith, John D., and Brick, Miriam, 289

Kennedy, J. A., and Clark, S. L., 278*

Kerwin, A. J., 713*

Keyes, John W., and Delaney, Joseph H., 607

Kidney disease, bilateral, frequency of, in persistent hypertension, 858*
 function of, during cardiac failure and after improvement, 430*

Killian, S. T., Kaplan, L. G., Langendorf, R., Katz, L. N., and Goldman, A. M., 627

Killian, Samuel T., and Lev, Maurice, 794

King, A. B., 283*

Klainer, M. J., and Altschule, M. D., 130*

Klein, C., Gootnick, A., Saland, G., and Zurrow, H., 285*

Kler, J. H., Reitman, N., and Greenwood, W. R., 861*

Klinek, Gustavus H., Jr., and Walker, Roland, 752

Kline, Edward M., and Fetterman, Joseph L., 665

Kondo, Benjamin O., and Eliaser, Maurice, Jr., 696

Kory, R. C., Wiggers, H. C., and Duschatko, A. M., 284*

Kossmann, C. E., White, M. S., and Ersler, I., 230

Kossmann, Charles E., and Connor, Charles, A. R., 215

Krause, M., and Mainzer, F., 427*

Kruger, H. E., Rosenblum, Harold, and Biskind, Gerson, 734

Krumbhaar, E. B., 570*

Kuder, K., Isenhour, C. E., and Dill, L. V., 280*

Kutumbiah, P., 280*

L

Labourt, F. E., and Battro, A., 712*

Laippy, T. C., and Kahn, J. R., 858*

Lanatoside C, effects of repeated administration of, on myocardium of dog, 734

electrocardiographic and clinical study of, 472

Landen, M., Landt, H., and Benjamin, J. E., 566*

Landis, E. M., McLennan, C. E., and McLennan, M. T., 281,* 859*

Landowne, Milton, 50

Landt, H., Benjamin, J. E., and Landen, M., 566*

Lange, K., and Boyd, L. J., 866*

Langendorf, R., and Goldberg, S., 412

—, Kaplan, L. G., Killian, S. T., Katz, L. N., and Goldman, A. M., 627

—, and Katz, L. N., 31

LaRoche, F. T., Sloan, H. E., Jr., and Price, P. B., 282*

Lascales, M. C., Matera, R. F., and Pasqualini, R. Q., 280*

Lead poisoning, chronic, effect of, on arterial blood pressure in dogs, 329

Leads, AVL, AVR, and AVF, a simplification of standard lead electrocardiography, 378

Leary, T., 859*

Lebowich, R. J., Opps, F. A., and Proctita, L., 850*

Leg, enlargement, chronic, of, diagnosis of, 132*

Leinoff, Harry D., 187

Leslie, Alan, and Mendlowitz, Milton, 141

Leslie, Alan, and Mulinos, Michael G., 671, 679

Lev, Maurice, and Killian, Samuel T., 794

Levine, Harold D., 209

Levine, S. A., Erlanger, H., and Perera, G. A., 708*

—, and Kauvar, A. J., 570*

Levine, Samuel A., and Hay, W. E., 1

Levy, H., and Boas, E. P., 566

Levy, R. L., Shillito, F. H., and Chamberlain, F. L., 131*

Lilienfield, A., and Berliner, K., 863*

Linenthal, H., Altshule, M.D., and Zamcheck, N., 133*

Lisa, J. R., Magiday, M., and Hart, J. F., 711*

—, Solomon, C., and Eckstein, D., 854*

Livezey, M. M., Wood, F. C., and Wolferth, C. C., 706*

Livezey, Mary Miller, and Wood, Francis C., 807

Longley, L. P., Seymour, W. B., Pritchard, W. H., and Hayman, J. M., 430*

Longcope, W. T., and Fisher, A. M., 571*

Lowry, O. H., Gilligan, D. R., and Hastings, A. B., 853*

Luke, J. C., 132*

Lung, volume of, and pulmonary dynamics, effects on cardiovascular system of fluids administered intravenously in man, 712*

and pulmonary dynamics in Raynaud's disease, effect of exposure to cold, 133*

Lungs, infarctions, repeated, cessation of, and of congestive failure after termination of auricular fibrillation by quinidine therapy, 574*

Lutembacher's syndrome, and a new concept of dynamics of interatrial septal defect, 315

Lutz, B. R., and Fulton, G. P., 430*

Lymph, flow of, from lungs of dog, 136*

Lymphatics, cutaneous, effect of roentgen irradiation upon linear rate of flow in, of humans, 283*

M

Mackby, M. J., 424*

Magiday, M., Lisa, J. R., and Hart, J. F., 711*

Mahaim, E., and Winston, M. R., 423*

Maher, Chauncey C., Wosika, Paul H., and Jung, Frederic T., 483

Maier, H. C., Stewart, W. H., and Breimer, C. W., 853*

Mainzer, F., and Krause, M., 427*

Mann, H., and Bernstein, P., 851*

Mann, H., and Mayer, M.D., 571*

Manning, G. W., Stewart, C. B., and Hall, G. E., 277*

Margoles, C., Prinzmetal, M., Kayland, S., and Tragerman, L. J., 571*

Marks, H. H., and Dublin, L. I., 430*

Marrus, J., Jarman, J., and Friedman, B., 567*

Marvin, H. M., 576,* 710*

Master, A. M., Daek, S., and Jaffe, H. L., 861*

Master, Arthur M., and Friedman, Rudolph, 196

—, —, and Daek, Simon, 777

Matera, R. F., Pasqualini, R. Q., and Lascalea, M. C., 280*

Mayer, M. D., and Mann, H., 571*

Mayerson, H. S., 850*

—, and Davis, W. D., Jr., 593

Mazer, Milton, 511

McDermott, W., Tompsett, R. R., and Webster, B., 280*

McGavack, Thomas H., 99

McGee, A. S., Shelburne, S., and Hawley, J. L., 428*

McIntosh, R., 283*

McLennan, C. E., McLennan, M. T., and Landis, E. M., 281,* 859*

McLennan, M. T., McLennan, C. E., and Landis, E. M., 281,* 859*

McPhedran, H., 428*

Medicine, aviation, bibliography of, 577 (B. rev.)

Mendlowitz, Milton, and Leslie, Alan, 141

Merves, L., and Semisch, C. W., III, 277*

Mexico, incidence of heart disease in, 88

Miller, H. R., 579

Moe, G. K., and Harris, A. S., 577*

—, Wood, E. H., 853,* 865*

Montgomery, H., 867*

Moore, Louis T., Moragues, Vicente, and Rossen, Julius A., 828

Moragues, Vicente, Moore, Louis T., and Rossen, Julius A., 828

Morelli, A. C., 426*

Mortality, immediate, factors influencing, after acute coronary occlusion, 4

Mote, Clayton D., and Carr, J. L., 69

Mudd, S., and Flosdorff, E. W., 138*

Mulinos, Michael G., and Leslie, Alan, 671, 679

Murmur, cephalic, review of literature, 424*

Muss, Israel, DiPalma, Joseph R., and Foster, Frances I., 345

Myocarditis, gummatous, localized, three cases of, 689

in poliomyelitis, 854*

isolated, 167

Myocardium, dog's, effects of repeated administration of lanatoside C on, 734

histochemical changes in, following experimental temporary coronary occlusion, 853*

infarction of, incidence and correlation of various signs with remarks on prognosis, 131*

interpretation of injury and ischemic effects of, in accordance with laws which determine flow of electric currents in homogeneous volume conductors and in accordance with relevant pathologic changes, 514

prolongation of P-R interval in patients with paroxysmal auricular fibrillation and flutter following, 130*

recognition, management and prevention, 868 (B. rev.)

roentgenkymogram in, III. Cases with normal electrocardiogram, 574*

Weltmann serocoagulation band in, 607

with syphilitic coronary stenosis, 740

lesions of, acute, relation to persistent tachycardia and pulse-temperature disproportion, 854*

Myxedema, peripheral blood flow in, 856*

N

Nathanson, M. H., Engelberg, H., and Hersh, J., 153

Nerve, afferent, endings of, in large arteries and veins, 128*

Neumann, C., Burch, G. E., and Cohn, A. E., 864,* 865*

—, and Schroeder, H. A., 576*

Night blindness, treatment with vasodilating drugs, 138*

Nonidez, J. F., 128*

O

Öhnell, v. R. F., 278,* 708*

Opps, F. A., Lebowich, R. J., and Proetta, L., 850*

Orthodiagram, simple method for measuring cardiac area from, 511

Osteoorthopathy, hypertrophic, simulation, experimental, in dog of cyanosis and, which are associated with congenital heart disease, 141

Ouabain, persistence of effect after digitalization by combined use of digitalis and, 458

Oxygen, effect of, on the electrocardiograms of cyanotic patients, 763

P

Page, Irene H., and Fouts, Paul J., 329

Papaverine, use of, as an objective measure of circulation time, 821

Paredrine, effects, cardiovascular, of, 153

Parmet, David H., and Dubbs, Alfred W., 272

Pasqualini, R. Q., Lasealea, M. C., and Matera, R. F., 280*

Peet, M. M., Foà, P. P., Woods, W. W., and Foà, N. L., 858*

Pelner, L., and Cohn, I., 134*

Perera, G. A., Levine, S. A., and Erlanger, H., 708*

Periarteritis nodosa, manifestations, neurologic, of, 574*

surgical, significance of, 137*

with peripheral polyneuritis and hyperglycemia, a case record presenting clinical problems, 860*

Pericarditis, traumatic, electrocardiogram in, 412

Pericardium, calcification of, and chronic cardiac compression, 576*

friction, auricular and ventricular, 223

Peritonitis, postoperative, acute, generalized, simulating coronary artery occlusion, 565*

Pheochromocytoma, adrenal, peripheral blood flow in a case before and after operation, 835

Phonocardiogram, study by, of heart sounds in acute coronary occlusion, 196

Pituitary gland, contribution to study of arterial hypertension in connection with, 710*

tumor (basophilism) of, bifid R wave in Derivation II, 425*

Plethysmogram, method of determination of blood flow of fingers by, 277*

Pneumocardiogram, normal, 850*

Poindexter, C. A., and Butterworth, J. S., 129,* 131

Poindexter, Charles A., and Butterworth, J. Scott, 588

Poisoning, digitalis, two cases of, 432*
 lead, chronic, effect of, in arterial blood pressure in dogs, 329

Poliomyelitis, myocarditis in, 854*

Polyneuritis, peripheral, periarteritis nodosa with, and hyperglycemia, a case record presenting clinical problems, 860*

Porphyria, acute, electrocardiographic changes associated with, 696

Posture, effects of, on velocity of blood flow from arm to tongue, 816 influence of, on blood flow in dog, 850* on electrocardiogram, 593

Potassium chloride, displacement of RS-T segment by, 572* modification of activity of heart of frog produced by, 286* in treatment of refractory paroxysmal ventricular tachycardia, quinidine and, 555

Powell, C. C., and Yampolsky, J., 856*

P-R interval, prolongation of, in patients with paroxysmal auricular fibrillation and flutter following myocardial infarction, 130* short, associated with a prolonged QRS complex, 129*

Practice, hospital, justification for increasing use of electrocardiography in, 130*

Pregnancy, twin, stethogram and recorded disc of fetal heart sounds in, 129*

Price, P. B., Sloan, H. E., Jr., and LaRochelle, F. T., 282*

Prinzmetal, M., Kayland, S., Margoles, C., and Tragerman, L. J., 571*

Pritchard, W. H., Seymour, W. B., Longley, L. P., and Hayman, J. M., 430*

Procita, L., Lebowich, R. J., and Opps, F. A., 850*

Pulse, study of relationship between, and alpha waves of tips of fingers and toes of five adults, 865* venous, waves, different, velocity of propagation of, 276*

Pulsus paradoxus, on mechanisms of inspiratory filling of cervical veins and, in venous hypertension, 569*

Q

QRS complex, prolonged, short P-R interval associated with a, 129* deflection, concerning form of, of electrocardiogram in bundle branch block, 574*

QRST complexes, bizarre, auricular flutter associated with, 588

Quinidine, depression from, study of analeptic value of certain drugs in treatment of, 240 in treatment of refractory paroxysmal ventricular tachycardia, and potassium, 555

Quinidine—Cont'd
 "Quinidine, pure;" I. Toxicity, 545 sulfate, unusual toxic manifestation of, oral use of, 559 ventricular tachycardia stopped on twenty-first day by giving, intravenously, 272

therapy, cessation of repeated pulmonary infarction and of congestive failure after termination of auricular fibrillation by, 574* toxicity, 545

R

Raab, W., 365, 855*

Race, age and sex relationships of auricular fibrillation, 852*

Ranges, H. A., Cournand, A., and Riley, R. L., 712*

Ray, B. S., 429*

Raynaud's disease, lung volume and pulmonary dynamics in, effect of exposure to cold, 133*

Read, J. Marion, and Brown, J. Sewall, 182

Rebreathing, effect of high altitude and, duration of electrical systole in man, 230

Reed, Wellford C., and Hutcheson, J. M., 113

Reitman, N., Greenwood, W. R., and Kler, J. H., 861*

Revitch, Eugene, and Stein, William, 703

Riley, R. L., Cournand, A., and Ranges, H. A., 712*

Rheumatic fever, 139 (B. rev.) cardiac signs in, of childhood, 131* children with, changes in size of heart in, 289 formol-gel test in, 131* in childhood and adolescence, 280* relation of cardiac lesions to clinical course of, 427*

Richards, D. W., Jr., Cournand, A., Darling, R. C., Gillespie, W. H., and Baldwin, E. DeF., 281*

Robb, J. S., and Robb, R. C., 425,* 426* —, —, and Dooley, M. S., 572*

Robb, R. C., and Robb, J. S., 425,* 426* —, —, and Dooley, M. S., 572*

Roentgen ray, abnormal suprarenal discharges in angina pectoris and their control by, 855* effects of irradiation upon linear rate of flow in cutaneous lymphatics of humans, 283*

Roentgenkymogram in myocardial infarction; III. Cases with normal electrocardiograms, 574*

Roentgenology, cardiac, value of exact cardiac measurements, 136*

Rose, O. Alan, Batterman, Robert C., and DeGraff, Arthur C., 435

Rosenblum, Harold, Biskind, Gerson, and Kruger, H. E., 734

Rosser, Julius A., Moore, Louis T., and Moragues, Vicente, 828

Rossien, A. X., 853*

Rotameter, measurement of mean blood flow in arteries and veins by means of, 424*

Roth, L. W., and Hertzman, A. B., 865, 866*

Rotta, A., Gregg, D. E., Shipley, R. E., Eckstein, R. W., and Wearn, J. T., 424*

RS-T segment, displacement by potassium chloride, 572*

effect of digitalis on, of the electrocardiogram after coronary ligation, 671

R wave, bifid, in Derivation II, with a note on electrocardiogram in pituitary basophilism, 425*

S

Saland, G., Gootnick, A., Klein, C., and Zurrow, H., 285*

Sanches-Perez, J. M., 136*

Sanders, C. E., and Schaefer, C. L., 410

Saphir, O., and Wile, S. A., 854*

Saphir, Otto, 167

Sarcoidosis, involvement of heart in, 571*

Sauls, H. C., Smith, C., and Stone, C. F., 855*

Schaefer, C. L., and Sanders, C. E., 410

Scholander, P. F., Irving, L., and Grinnell, S. W., 132*

Schroeder, H. A., 706*

—, and Neumann, C., 576*

Schug, R., and Harkins, H. N., 711*

Schwab, J. M., and Globus, J. H., 567*

Sekwartz, S. P., 572*

Seal, regulation of arterial blood pressure in, during diving, 132*

Sedwitz, Samuel H., 774

Segall, H. N., and Goldbloom, A., 278*

Semisch, C. W., III, and Merves, L., 277*

Septum, cardiac, closed, congenital pulmonary stenosis with, report of a case with comments regarding circulation time, 685

Serum, protein, total circulatory, during cardiac failure and after improvement, 430*

Sex, age and race relationship of auricular fibrillation, 852*

Seymour, W. B., Pritchard, W. H., Longley, L. P., and Hayman, J. M., 430*

Shelburne, S., Hawley, J. L., and McGee, A. S., 428*

Shillito, F. H., Chamberlain, F. L., and Levy, R. L., 121*

Shipley, R. E., Gregg, D. E., Eckstein, R. W., Rotta, A., and Wearn, J. T., 424*

Shock, hemorrhagic, cardiac and peripheral resistance factors determinants of circulatory failure in, 863

observations on hemorrhagic hypotension and, 857*

secondary, treatment of hemorrhage, 866*

Shock, secondary—Cont'd

burns and, blood and blood substitutes in, 138*

syndrome of, produced by failure of heart, 135*

Sigler, L. H., 276*

Sinus of Valsalva, aneurysm of, caused by congenital lesion, 550

Skin, human, segmental and ageing, variations of reactive hyperemia in, 332

temperature, changes of, caused by smoking and other sympathomimetic stimuli, 17

Sloan, H. E., Jr., Price, P. B., and LaRochelle, F. T., 282*

Smith, A. L., 129*

Smith, C., Sauls, H. C., and Stone, C. F., 855*

Smoking, skin temperature changes caused by, and other sympathomimetic stimuli, 17

Solarz, Sylvan D., and Elek, Stephen R., 821

Soloff, Louis A., 118

Solomon, C., Lisa, J. R., and Eckstein, D., 854*

Spain, David M., and Johannsen, Max W., 689

Spalding, J. E., 137*

Spealman, C. R., 285*

Spink, W. W., Titrud, L. A., and Kabler, P., 855*

Sprague, H. B., 573*

—, and Westinghouse, W., 860*

Stalker, H., 852*

Stanton, E. J., Cushing, E. H., Feil, H. S., and Wartman, W. B., 427*

Stead, E. A., Jr., and Ebert, R. V., 135*

Steele, J. M., 573*

Stein, W., and Uhr, J. S., 709*

Stein, William, and Revitch, Eugene, 703

Stempien, Stephen J., and Katz, Kermit H., 555

Stethogram and recorded disc of fetal heart sounds in a twin pregnancy, 129*

Stewart, C. B., Hall, G. E., and Manning, G. W., 277*

Stewart, H. J., and Evans, W. F., 835, 856*

Stewart, W. H., Breimer, C. W., and Maier, H. C., 853*

Stokes-Adams syndrome, congenital heart block with, with crises of paroxysmal ventricular tachycardia and terminal fibrillation, 279*

Stone, C. F., Smith, C., and Sauls, H. C., 855*

Strang, J. M., and Bosse, M. D., 711*

Streptococcus viridans, subacute bacterial endocarditis due to, a survey of present status of previously reported cures and a clinical study of fifteen treated cases, including another cure, 855*

Sturnick, Melvin I., 559
 Sussman, M. L., and Dack, S., 574*
 Sympathetic nervous system, dysfunction of, association of postural hypotension, 132*
 Syphilis, aneurysm of the superior mesenteric artery in, 860*
 aortic valvulitis, and subacute bacterial endocarditis in, 280*
 congenital, of the aorta, in young children, 856*
 coronary stenosis with myocardial infarction in, 740
 of aortic valve, asymptomatic phase, 280*
T
 Tachycardia, cyclopropane-epinephrine, protection from, by various drugs, 432*
 inversion of T waves after long paroxysms of, 709*
 paroxysmal, atrio-ventricular nodal, in an infant treated with acetyl-Beta-methylcholine, 278*
 relation of some types of electrocardiograms to, 278*
 two families in whom an inclination to heart failure and fixed changes in electrocardiogram were constant, 708*
 persistent, and pulse-temperature disproportion: relation to acute myocardial lesions, 854*
 sinus, clinical value of digitalis in hypertensive heart failure, 431*
 familial, congenital, 279*
 ventricular, paroxysmal, congenital cardiac block with Stokes-Adams syndrome with crises of, and terminal fibrillation, 279*
 refractory, quinidine and potassium in treatment of, 555
 stopped on twenty-first day by giving quinidine sulfate intravenously, 272
 Tandowsky, R. M., 472
 Theis, F. V., and Freeland, M. R., 430*
 Thorotrust, demonstration of basilar artery and its branches with, 283*
 Thromboangiitis obliterans, 430*
 dynamics of blood flow in, 50
 in the brain, 133*
 Thrombophlebitis and pulmonary embolism, 134*
 Thrombus, mural, auricular, formation of, age and auricular fibrillation as independent factors in, 1
 Tritrud, L. A., Spink, W. W., and Kabler, P., 855*
 Tolksdorf, S., Jensen, H., Corwin, W. C., Casey, J. J., and Bamman, F., 138*
 Tomography, diagnostic, of stenosis of isthmus of aorta and of persistence of arterial canal, 426*
 Tompsett, R. R., McDermott, W., and Webster, B., 280*
 Tragerman, L. J., Prinzmetal, M., Kayland, S., and Margoles, C., 571*
 Tubule, excretory mass in, effective renal blood flow, glomerular filtration rate and, in arterial hypertension, 858*
 T waves, inversion of, after long paroxysms of tachycardia, 709*
 negative, significance of, in all three standard leads of electrocardiogram, 565*
U
 Uhley, M. H., 315
 Uhr, J. S., and Stein, W., 709*
 Ulcer, peptic, syndrome due to, angina pectoris and, 566*
 Ungerleider, Harry E., and Gubner, Richard, 494
 Urrutia, Domingo, and Vaisman, S., 139
V
 Vaisman, Samuel, and Urrutia, D., 139
 Valve, aortic, congenital atresia of, and mitral valve, 752
 insufficiency, syphilitic, of, asymptomatic phase, 280*
 regurgitation, syphilitic aortitis with, an electrocardiographic and autopsy survey at the Massachusetts General Hospital, 573*
 mitral, atheromatosis of, 41
 atresia of, and separation of left auricle and ventricle, 570*
 congenital atresia of aortic valve and, 752
 stenosis of, associated with patent interauricular septum, 852*
 association of angina pectoris or coronary thrombosis, 570*
 pulmonic, stenosis, congenital, of, with closed cardiac septa, report of a case with comments regarding circulation time, 685
 with left ventricular enlargement associated with atrial septal defect, 279*
 Valvulitis, aortic, syphilitic, and subacute bacterial endocarditis, 280*
 Van Baarle, F., and Van Bogaert, A., 710*
 Van Bogaert, A., and Van Baarle, F., 710*
 Vascular system, allergy of; II. Manifestations of polyvalent sensitization, 569*
 peripheral, disease of, physical measures in treatment of, 575*
 studies on vasodilation tests in, 285*
 response of resting blood flow and, in different portions of extremities, 565*
 Veins, arteries, large, and, afferent nerve endings in, 128*

Veins—Cont'd
 axillary and subclavian, primary thrombus of, 134*
 cervical, on mechanisms of inspiratory filling of, and pulsus paradoxus in venous hypertension, 569*
 portal, chronic occlusion of, report of two cases, one a case associated with aneurysm of splenic artery and carcinoma of liver, 711*
 pulmonary, drainage of, into right side of heart, 130*
 varicose, surgical management of, importance of individualization in choice of procedure, 711*
 use of heparin for complications which follow sclerosing of, by massive injection, 774

Vena cava, inferior, thrombosis of, collateral venous circulation in, and its embryologic interpretation, 282*

Ventricle, electrolyte and water content of, of heart-lung preparation with special reference to the effects of cardiac glycosides, 853*
 left, enlargement of, congenital pulmonary stenosis with, associated with atrial septal defect, 279
 strain of, hypertension electrocardiograms experimentally produced and anatomically explained, 426*
 right, failure of, right-upper-quadrant pain on effort an early symptom of, 867*
 traumatic rupture of, an unusual case, 703

Vital capacity, contribution to study of functional pulmonary capacity in certain cardiopathies, 712*

W

Walker, Roland, and Klinek, Gustavus H., Jr., 752
 Warren, M. F., and Drinker, C. K., 136*
 Wartman, W. B., Cushing, E. H., Feil, H. S., and Stanton, E. J., 427*
 Wearn, J. T., Rotta, A., Gregg, D. E., Shipley, R. E., and Eckstein, R. W., 424*
 Weatherby, J. H., 17
 Webster, B., McDermott, W., and Tompsett, R. R., 280*
 Wechsler, I. S., and Bender, M. B., 574*
 Wedd, A. M., Blair, H. A., and Hardwicke, H. M., 850*

Weisman, S. A., 240, 545
 Weisman, S. J., 426*
 Welch, C. E., and Faxon, H. H., 134*
 Weltmann reaction, serocoagulation band of, in infarction of myocardium, 607
 Werle, J. M., and Wiggers, C. J., 863*
 —, —, and Cosby, R. S., 857*
 Westinghouse, W., and Sprague, H. B., 860*
 White, M. S., Kossmann, C. E., and Ershler, I., 230
 White, P. D., and Boyer, N. H., 867*
 White, Paul D., and Blumgart, H. L., 574*
 Wiggers, C. J., and Werle, J. M., 863*
 —, —, and Cosby, R. S., 857*
 Wiggers, H. C., Duschatko, A. M., and Kory, R. C., 284*
 Wilburne, Morris, 816
 Wile, S. A., and Saphir, O., 854*
 Wile, U. J., 856*
 Wilkins, Sam A., Jr., and Bevans, Margaret, 843
 Wilkinson, K. D., 432*
 Williams, R. R., and Zeek, P., 860*
 Wilson, F. N., 574*
 Winsor, Travis, and Burch, George E., 740
 Winston, M. R., and Mahaim, E., 423*
 Wising, P., 279*
 Wolferth, C. C., 575*
 —, Livezey, M. M., and Wood, F. C., 706*
 Wood, E. H., and Moe, G. K., 853,* 865*
 Wood, F. C., Wolferth, C. C., and Livezey, M. M., 706*
 Wood, Francis C., and Livezey, M. M., 807
 Wood, P., 279*
 Woods, Robert M., and Barnes, A. R., 4
 Woods, W. W., Foà, P. P., Peet, M. M., and Foà, N. L., 858*
 —, and Peet, M. M., 137*
 Wosika, Paul H., Jung, Frederic T., and Maher, Chauncey C., 483
 Wright, I. S., 575*

Y

Yampolsky, J., and Powel, C. C., 856*
 Yater, W. M., 576*
 Young, Richard H., 132*

Z

Zamecheck, N., Altschule, M. D., and Gilligan, D. R., 712*
 —, —, and Linenthal, H., 133*
 Zeek, P., and Williams, R. R., 860*
 Zurrow, H., Gootnick, A., Saland, G., and Klein, C., 285*
 Zwemer, R. L., and Arrighi, F. P., 286*

